

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/40971

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01M10/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 198 49 491 C (DAIMLER CHRYSLER AG) 5 January 2000 (2000-01-05) column 3, line 49 -column 5, line 22; figures 1-4,6 ---- -/-	1-4, 12-14, 24,25, 27-33, 39,40, 47-52, 55,62-65

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

28 August 2003

Date of mailing of the International search report

04/09/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 06, 31 July 1995 (1995-07-31) & JP 07 073908 A (NIPPONDENSO CO LTD), 17 March 1995 (1995-03-17)	1,2,4-6, 11,12, 14,24, 29,32, 34,35, 39,40, 47,49, 52-56, 62,65
	abstract ---	
P,X	WO 02 27816 A (OVONIC BATTERY CO) 4 April 2002 (2002-04-04)	1-4, 11-14, 23-29, 31-33, 39,40, 46-49, 51,52, 54,55, 61-65
	abstract page 9, line 11 - line 31 page 10, line 14 - line 32; figures 8A-8E,,9A,,9B page 28, line 25 - line 27 page 34 -page 35 ---	
A	DE 195 03 085 A (DEUTSCHE AUTOMOBILGESELLSCH) 12 September 1996 (1996-09-12)	
A	EP 1 033 772 A (TOYOTA MOTOR CO LTD ;MATSUSHITA ELECTRIC IND CO LTD (JP)) 6 September 2000 (2000-09-06) ----	

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Information on patent family members

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